THE MINISTER OF STATE IN THE MINISTRY OF HOME AFFAIRS (SHRI CHENNAMANENI VIDYA SAGAR RAO): (a) The number of complaints registered by the National Human Rights Commission (NHRC) during the last three years is indicated below:—

Year	Cases registered
1998-99	40,725
1999-2000	50,634
2000-2001	71,559

(b) and (c) The number of complaints disposed in limini (DIL), disposed with directions (DWD) and concluded on the consideration of reports from State authorities during the last three years are indicated below:—

Year	DIL	DWD	Concluded	Total
1998-99	32,172	10,718	3,395	46,285
1999-2000	20,934	5,941	1,406	28,281
2000-2001	23,886	19,248	1,249	44,383

(d) The Commission is considering old cases on priority for expeditious disposal. Steps are also being taken for follow up with State Government authorities for submission of investigation reports for facilitating disposal of pending cases.

Sources for generation of Non-Conventional Energy

1129. PROF. M. SANKARALINGAM: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) what are the different sources available to generate Non-Conventional Energy;

(b) the details of the availability of the sources and the extent utilised since the inception of the Ministry; and

(c) the targets set and achieved by the Ministry for the last five years?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI M. KANNAPPAN): (a) and (b) The Ministry is implementing various programmes/schemes to generate energy from major non-conventional energy sources such as wind, solar, small hydro and biomass. The details of estimated potential of various non-conventional energy sources and cumulative achievements made till 31st March 2001, are given at Statement I (*See* below).

(c) The details of programme-wise targets fixed and achievements made during the last five years *i.e.* from 1996-97 to 2000-01, are given at Statement-II.

Statement-I

Renewable Energy Potential and achievements under various programmes of Non-conventional energy sources as on 31st March 2001

Sl. No.	Source/System	Approximate Potential	Achievement (as on 31.3.2001)
1	2	3	4
1.	Biogas plants (No.)	120 lakhs	32 lakhs
2.	Improved Chulha (No.)	12 crores	338.61 lakhs
3.	a. Biomass Power	19,500 MW	292 MW
	b. Biomass Gasifier		40.18 MW
4.	Solar Photovoltaic	20 MW/sq. km.	
	i. Solar Street Lighting Systems	—	41403 Nos.
	ii. Home Lighting Systems	—	152180 Nos.
	iii. Solar Lanterns	—	350531 Nos.
	iv. SPV Power Plants	—	1132 kWp
5.	Solar Water Heating Systems	30 million sq. m. Collector area	5,60,000 sq.m. Collector Area
6.	Solar Cookers		5,10,000 Nos.
7.	Solar PV Pumps		4176 Nos.
8.	Solar Photovoltaic Power		1.6 MW
9.	Wind Power	20,000 MW	1340 MW
10.	Small Hydro Power (upto 25 MW)	25,000 MW	1353.85 MW
11.	Wind Pumps		714 Nos.
12.	Hybrid Systems		91.5 KW

1	2	3	4
13.	Energy Recovery from wastes	1700 MW	16.2 MW
14.	Battery Operated Vehicles		240 Nos.

MW = Mega-watt KW = Kilo watt kWp = Kilo watt peak
Sq. km. = Square Kilometre Sq. m. = Square metre

Statement-II

Details of programme-wise targets fixed and achievements made during the last Five Years (1996-97 to 2000-01)

	Units	Target	Achievements
Biogas Plants	Nos. in lakhs	8.21	8.34
Community/Institutional/Night Soil based B	Nos.	1700	1726
Improved chulha	Nos. in lakhs	115	113.82
Biomass/Gasifier	MW	21.5	26.25
Integrated Rural Energy Programme	Blocks Nos.	3540	3440
Energy Parks	Nos.	244	158
Solar Phtovoltaic Programme (SPV)			
SPV Home Light	Nos.	140000	114846
SPV Lanterns	Nos.	285000	269432
SPV Street lighting System	Nos.	6500	10414
SPV Power Plants	KWp	725	711
SPV Pumps	Nos.	3200	2833
Solar Thermal Energy Programme_			
Solar water Heating Sys.	m2 collector area	145000	141409
Solar Cooker	Nos.	135000	103000
Wind Pumps & Hybrid Syst.	Nos.	800	512
	kW	175	95.5
Wind power	MW	700	608.03
Small Hydro (upto 25 MW)	MW	110	204.88
Biomass Power	MW	240	264.3
SPV Power	KW	1400	1475
Waste to Energy Programme	MW	41	16.15

MW=Mega Watt